

ABSTRACT OF THE DISCLOSURE

A bond separation inspection method using an optical fiber sensor. The method includes a step of embedding a sensor part of an optical fiber sensor in an adhesive joining a plurality of members together. The sensor part is embedded in the adhesive in such a way that the sensor part undergoes a compressive strain. Separation of the bond is detected on the basis of an optical characteristic of the sensor part when light from a light source is directed into the optical fiber sensor.